AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A grate for a gas generator (7) adapted to operate in the gasifier of the gas generator so as to provide support to solid fuel fed thereon for combustion such as wood chips, peat, bark and hog fuel from forest harvesting and the like refuse fuel fed thereon, the cross sections of the gasifier and thus also its grate being substantially circular in shape comprising:

substantially circular slots (9) formed in the grate, said substantially circular slots (9) having the same center point but a varying radius;

annular grate rings (3) formed in the grate, said annular grate rings (3) being formed between the substantially circular slots (9), said annular grate ring (3) being stationary with respect to the gasifier;

a mass of balls (2) with a diameter larger than the width of the grate slots, said mass of balls (2) being placed on the grate;

a member (4) mounted below the grate, said member (4) being rotatable about a center axis of the grate;

projections (6) formed on the member (4) wherein at least some of the projections extend upwardly through the substantially circular slots (9) to a level higher than the top level of the grate, said projections being rotated within said substantially circular slots for selectively imparting movement to said balls.

wherein the pegs (6) extending upwardly into each of the substantially circular slots (9) has the same height.

2. (Currently Amended) The grate of claim 1, ~~characterized in that~~ wherein the rotatable member is a single rod-supported rake (4) and that the rake projections are pegs (6) having rounded tips extending upward from the rake rod so far that the rounded tips of the pegs reach higher than the top surface of the grate rings (3).

3. (Currently Amended) The grate of claim 1, ~~characterized in that~~ wherein the grate rings (3) are connected to each other by a support structure (8) that is situated above the top surface of the grate and simultaneously provides two or more compartments having fixed shapes for the balls.

4. (Currently Amended) The grate of claim 3, ~~characterized in that~~ wherein the support structure (8) of the grate rings (3) comprises two planar members orthogonally crossed with each other and extending entirely across the grate so as to form four compartments having fixed shapes for the balls (2), whereby the height of the planar members is selected to be greater than one and half times the ball diameter.

5. (Currently Amended) The grate of claim 1, ~~characterized in that~~ wherein the balls (2) are made from a metal such as steel or a ceramic material.

6. (Currently Amended) The grate of claim 1, ~~characterized in that~~ wherein the rotating speed of single rake (4) is adjustable or automatically controllable.

7. (Currently Amended) The grate of claim 2, ~~characterized in that~~ wherein the grate rings (3) are connected to each other by a support structure (8) that is situated above the top surface of the grate and simultaneously provides two or more compartments for the balls.

8. (Currently Amended) The grate of claim 2, ~~characterized in that~~ wherein the balls (2) are made from a metal such as steel or a ceramic material.

9. (Currently Amended) The grate of claim 3, ~~characterized in that~~ wherein the balls (2) are made from a metal such as steel or a ceramic material.

10. (Currently Amended) The grate of claim 4, ~~characterized in that~~ wherein the balls (2) are made from a metal such as steel or a ceramic material.

11. (Currently Amended) The grate of claim 2, ~~characterized in that~~ wherein the rotating speed of single rake (4) is adjustable or automatically controllable.

12. (Currently Amended) The grate of claim 3, ~~characterized in that~~ wherein the rotating speed of single rake (4) is adjustable or automatically controllable.

13. (Currently Amended) The grate of claim 4, ~~characterized in that~~ wherein the rotating speed of single rake (4) is adjustable or automatically controllable.

14. (New) The grate of claim 1, wherein each of the substantially circular slots (9) is ring shaped, and each has a depth equal a depth the other substantially circular slots (9).

15. (New) The grate of claim 2, wherein only the rounded tip of each of the pegs (6) extends above the upper surface of the annular grate rings (3).